

33–430 Replacement of sleeves for supporting and guide joint of steering knuckle bearings

Lubricant

Grease type	Longterm grease, refer to Specifications for service products page 266.2
Grease quantity between housing and sleeve of supporting and guide joint	5–6 g

Special tools

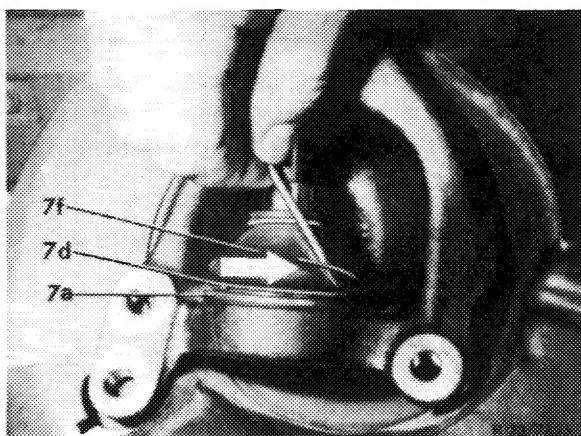
Assembly sleeve for wire tensioning ring of supporting joint sleeve	 11004-7195	116 589 03 14 00
Assembly sleeve for wire tensioning ring of guide joint sleeve	 11004-7196	116 589 02 14 00

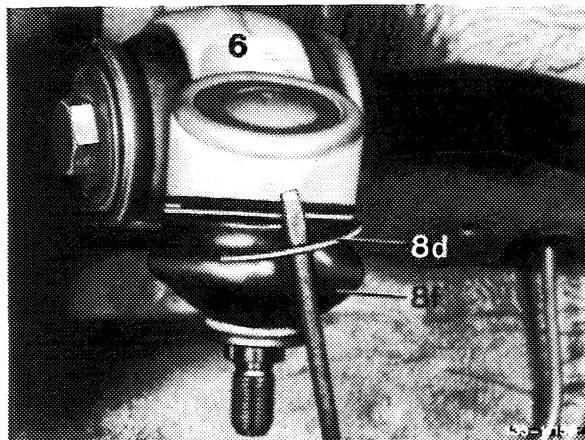
Notes

During assembly jobs, immediately replace damaged sleeves. **Never replace damaged or leaking sleeves on used joints.** In such a case, always replace supporting joint or upper control arm.

Removal

- 1 Lift wire tensioning ring (7d or 8d) at one end with a screwdriver and remove in direction of arrow.





Guide joint

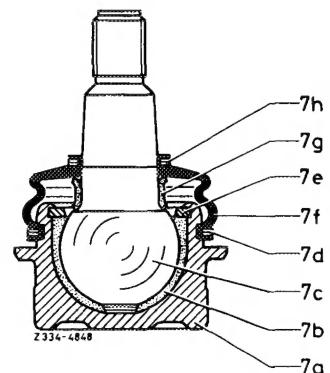
- Remove sleeve (7f or 8f) and remove used grease from ball joint.

Attention!

Do not wash ball joint.

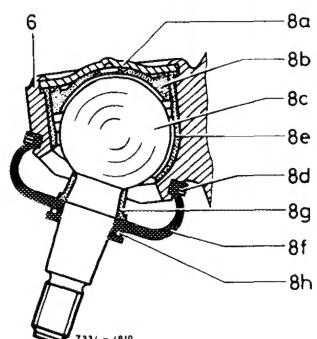
Supporting joint

7a Housing	7e Washer
7b Ball cup	7f Sleeve
7c Ball pin	7g Supporting ring
7d Wire tensioning ring	7h Wire tensioning ring



Guide joint

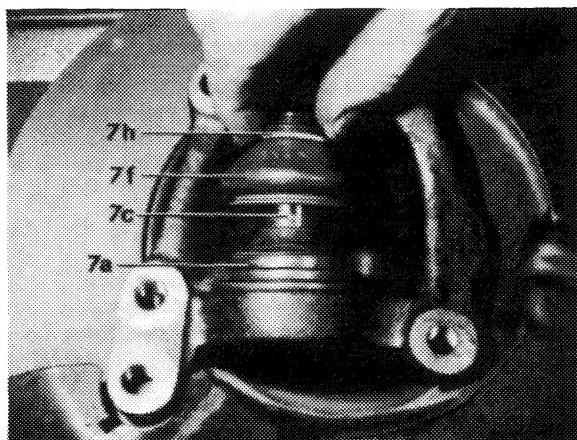
6 Upper control arm	8e Ball cup
8a Closing cover	8f Sleeve
8b Upper ball cup	8g Supporting ring
8c Ball pin	8h Wire tensioning ring
8d Wire tensioning ring	



Installation

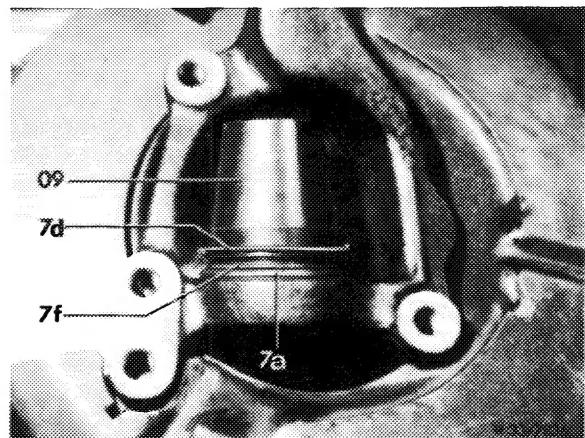
- Provide space between housing (6 or 7a) and ball pin (7c or 8c) with fresh grease supply, making sure that the seat of the sleeve on the housing remains free of grease.

- Set ball pin vertical and slip on new sleeve with clamping ring (7h or 8h) inserted.



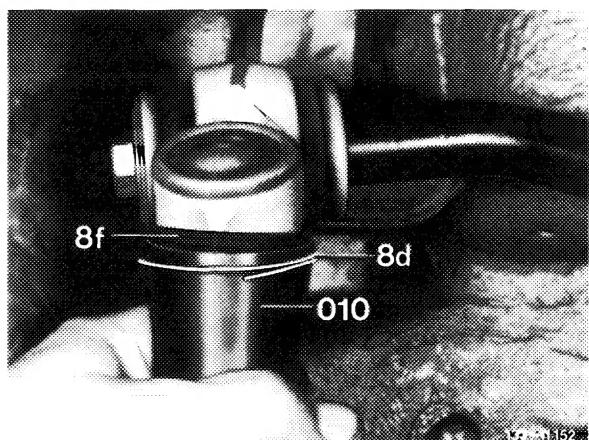
5 Slip wire tensioning ring (7d or 8d) on respective assembly sleeve (09 or 010) until cylindrical part of sleeve is reached.

6 Place assembly sleeve on supporting or guide joint in such a manner that the groove for seat of wire tensioning ring on sleeve is just still free. Then slip wire tensioning ring on sleeve of joint.



Attention!

Slip-on wire tensioning ring (8d) of guide joint in such a manner that parting joint points in driving direction.



7 Check seat of mounted sleeve.

